


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23697		Serial No. 10/646,698	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2873	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	2004	/ 0	DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
[Handwritten scribbles]	2004	/ 0	0	4	2	0	9	5	03/04/04	NOMURA			
	2004	/ 0	0	4	2	0	9	3	03/04/04	NOMURA			
	2004	/ 0	0	6	2	5	3	6	04/01/04	NOMURA			
	2004	/ 0	0	5	1	9	6	8	03/18/04	NOMURA			
	2004	/ 0	0	5	1	9	7	0	03/18/04	NOMURA			
	2004	/ 0	0	6	2	5	3	7	04/01/04	NOMURA			
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	4	5	2	5	0	5	0	06/25/85	OHASHI				
	4	6	4	3	5	5	5	02/17/87	WAKABAYASHI				
	4	7	2	1	9	7	2	01/26/88	WAKABAYASHI				
	4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.				
	5	8	1	8	6	4	7	10/06/98	NISHIO et al.				
	6	0	3	1	9	9	8	02/29/00	SHONO				
	4	4	5	1	1	2	9	05/29/84	IKARI et al.				

EXAMINER <u>D. Gray</u>	DATE CONSIDERED <u>8/16/04</u>
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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	6	4	3	5	5	4	02/17/87	OGAWA			
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.			
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
		5	1	3	6	3	2	4	08/04/92	TSUBOI et al.			
		5	7	6	5	0	4	9	06/09/98	HASE et al.			
		5	8	3	2	3	2	6	11/03/98	TANAKA			
		6	3	6	6	3	2	3	04/02/02	SHONO			
		6	1	1	5	1	9	0	09/05/00	HIRAI			
		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
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	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.			
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.			
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI			
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.			
	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7	03/20/01	IWASA			
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
	2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.			
		4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.			
		5	7	3	1	9	1	3	03/24/98	IMANARI			
		5	7	3	9	9	6	2	04/14/98	ASAKURA et al.			
	2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.			
		5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.			
		6	0	5	2	5	3	5	04/18/00	UNO			
EXAMINER <u>D. Gray</u>										DATE CONSIDERED <u>8/16/04</u>			
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		5	2	2	3	8	7	3	06/29/93	TSUBOI				
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.				
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.				
		6	0	6	9	7	4	5	05/30/00	FUJII et al.				
		6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.				
		5	4	8	5	3	1	5	01/16/96	NOMURA et al.				
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	58	-	1	4	5	9	3	0	08/31/83	JAPAN				
	61	-	-	6	9	0	0	2	04/09/86	JAPAN				
	61	-	2	7	0	7	3	7	12/01/86	JAPAN				
	63	-	1	4	9	6	2	9	06/22/88	JAPAN				
	64	-	3	4	6	2	3	03/02/89	JAPAN				X	
	6	-	1	8	7	7	7	01/28/94	JAPAN				X	
	7	-	1	9	1	2	4	9	07/28/95	JAPAN				
	11	-	1	0	9	2	0	3	04/23/99	JAPAN				
	58	-	1	0	7	0	8	01/21/83	JAPAN					
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	2		2	6	2	3	5	6	06/16/93	UNITED KINGDOM				
	2003	-	2	0	7	7	0	9	07/25/03	JAPAN				
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	2		2	6	1	2	9	8	05/12/93	UNITED KINGDOM				
2002	-	2	7	7	7	1	9	09/25/02	JAPAN					
<div style="display: flex; justify-content: space-between;"> <div>EXAMINER <u>D. Gray</u></div> <div>DATE CONSIDERED <u>8/16/04</u></div> </div> <p style="font-size: small; margin-top: 5px;">*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>														

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	10 - 2 8 2 3 9 4	10/23/98	JAPAN			—
	58 - 1 6 2 9 1 4	09/27/83	JAPAN			—
	0 6 3 4 6 8 0	01/18/95	E.P.O.			
	10 - 3 2 7 4 0	02/03/98	JAPAN			X
	7 - 2 8 8 7 2 4	10/31/95	JAPAN			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

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